



Friday, January 08, 2021

Attn: Mr. Keith Gammell
Barnhardt Mfg. Co.
247 Main Rd
P.O. Box 3
Colrain, MA 01340

Project ID: SLUDGE TOTAL & FECAL COLIFORMS Q1 2021
SDG ID: GCH41654
Sample ID#s: CH41654 - CH41660

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

January 08, 2021

SDG I.D.: GCH41654

Project ID: SLUDGE TOTAL & FECAL COLIFORMS Q1 2021

Client Id	Lab Id	Matrix
SLUDGE GRAB	CH41654	SLUDGE
SLUDGE GRAB	CH41655	SLUDGE
SLUDGE GRAB	CH41656	SLUDGE
SLUDGE GRAB	CH41657	SLUDGE
SLUDGE GRAB	CH41658	SLUDGE
SLUDGE GRAB	CH41659	SLUDGE
SLUDGE GRAB	CH41660	SLUDGE



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Analysis Report

January 08, 2021

FOR: Attn: Mr. Keith Gammell
Barnhardt Mfg. Co.
247 Main Rd
P.O. Box 3
Colrain, MA 01340

Sample Information

Matrix: SLUDGE
Location Code: BARNHARD
Rush Request: Standard
P.O.#: G12043

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

01/06/21

Time

11:30

01/06/21

15:16

Laboratory Data

SDG ID: GCH41654
Phoenix ID: CH41654

Project ID: SLUDGE TOTAL & FECAL COLIFORMS Q1 2021
Client ID: SLUDGE GRAB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fecal Coliforms	1090	20	cfu/g	20	01/06/21 17:30	LJ/LJ	SM9222D-06
Total Coliform	24900	100	cfu/g	100	01/06/21 16:55	LJ/LJ	SM9222B-06
Total Solids @ 104C	12.8	0.1	%	1	01/06/21	AP/QH	SM2540B-11

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

January 08, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



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January 08, 2021

FOR: Attn: Mr. Keith Gammell
Barnhardt Mfg. Co.
247 Main Rd
P.O. Box 3
Colrain, MA 01340

Sample Information

Matrix: SLUDGE
Location Code: BARNHARD
Rush Request: Standard
P.O.#: G12043

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

01/06/21

Time

11:35

01/06/21

15:16

Laboratory Data

SDG ID: GCH41654
Phoenix ID: CH41655

Project ID: SLUDGE TOTAL & FECAL COLIFORMS Q1 2021
Client ID: SLUDGE GRAB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fecal Coliforms	161	20	cfu/g	20	01/06/21 17:30	LJ/LJ	SM9222D-06
Total Coliform	25800	100	cfu/g	100	01/06/21 16:55	LJ/LJ	SM9222B-06
Total Solids @ 104C	12.4	0.1	%	1	01/06/21	AP/QH	SM2540B-11

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Analysis Report

January 08, 2021

FOR: Attn: Mr. Keith Gammell
Barnhardt Mfg. Co.
247 Main Rd
P.O. Box 3
Colrain, MA 01340

Sample Information

Matrix: SLUDGE
Location Code: BARNHARD
Rush Request: Standard
P.O.#: G12043

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

01/06/21

Time

11:40

01/06/21

15:16

Laboratory Data

SDG ID: GCH41654
Phoenix ID: CH41656

Project ID: SLUDGE TOTAL & FECAL COLIFORMS Q1 2021
Client ID: SLUDGE GRAB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fecal Coliforms	863	20	cfu/g	20	01/06/21 17:30	LJ/LJ	SM9222D-06
Total Coliform	16700	100	cfu/g	100	01/06/21 16:55	LJ/LJ	SM9222B-06
Total Solids @ 104C	13.9	0.1	%	1	01/06/21	AP/QH	SM2540B-11

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January 08, 2021

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Analysis Report

January 08, 2021

FOR: Attn: Mr. Keith Gammell
Barnhardt Mfg. Co.
247 Main Rd
P.O. Box 3
Colrain, MA 01340

Sample Information

Matrix: SLUDGE
Location Code: BARNHARD
Rush Request: Standard
P.O.#: G12043

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

01/06/21

Time

11:45

01/06/21

15:16

Laboratory Data

SDG ID: GCH41654
Phoenix ID: CH41657

Project ID: SLUDGE TOTAL & FECAL COLIFORMS Q1 2021
Client ID: SLUDGE GRAB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fecal Coliforms	140	20	cfu/g	20	01/06/21 17:30	LJ/LJ	SM9222D-06
Total Coliform	17200	100	cfu/g	100	01/06/21 16:55	LJ/LJ	SM9222B-06
Total Solids @ 104C	14.3	0.1	%	1	01/06/21	AP/QH	SM2540B-11

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Analysis Report

January 08, 2021

FOR: Attn: Mr. Keith Gammell
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247 Main Rd
P.O. Box 3
Colrain, MA 01340

Sample Information

Matrix: SLUDGE
Location Code: BARNHARD
Rush Request: Standard
P.O.#: G12043

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

01/06/21

Time

11:50

01/06/21

15:16

Laboratory Data

SDG ID: GCH41654
Phoenix ID: CH41658

Project ID: SLUDGE TOTAL & FECAL COLIFORMS Q1 2021
Client ID: SLUDGE GRAB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fecal Coliforms	294	20	cfu/g	20	01/06/21 17:30	LJ/LJ	SM9222D-06
Total Coliform	38200	100	cfu/g	100	01/06/21 16:55	LJ/LJ	SM9222B-06
Total Solids @ 104C	13.6	0.1	%	1	01/06/21	AP/QH	SM2540B-11

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Analysis Report

January 08, 2021

FOR: Attn: Mr. Keith Gammell
Barnhardt Mfg. Co.
247 Main Rd
P.O. Box 3
Colrain, MA 01340

Sample Information

Matrix: SLUDGE
Location Code: BARNHARD
Rush Request: Standard
P.O.#: G12043

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

01/06/21

Time

11:55

01/06/21

15:16

Laboratory Data

SDG ID: GCH41654
Phoenix ID: CH41659

Project ID: SLUDGE TOTAL & FECAL COLIFORMS Q1 2021
Client ID: SLUDGE GRAB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fecal Coliforms	597	20	cfu/g	20	01/06/21 17:30	LJ/LJ	SM9222D-06
Total Coliform	18000	100	cfu/g	100	01/06/21 16:55	LJ/LJ	SM9222B-06
Total Solids @ 104C	13.4	0.1	%	1	01/06/21	AP/QH	SM2540B-11

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Sample Information

Matrix: SLUDGE
Location Code: BARNHARD
Rush Request: Standard
P.O.#: G12043

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

01/06/21

Time

12:00

01/06/21

15:16

Laboratory Data

SDG ID: GCH41654
Phoenix ID: CH41660

Project ID: SLUDGE TOTAL & FECAL COLIFORMS Q1 2021
Client ID: SLUDGE GRAB

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fecal Coliforms	2400	20	cfu/g	20	01/06/21 17:30	LJ/LJ	SM9222D-06
Total Coliform	18700	100	cfu/g	100	01/06/21 16:55	LJ/LJ	SM9222B-06
Total Solids @ 104C	12.5	0.1	%	1	01/06/21	AP/QH	SM2540B-11

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QA/QC Report

January 08, 2021

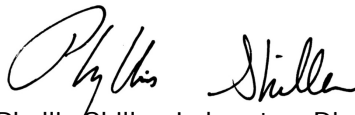
QA/QC Data

SDG I.D.: GCH41654

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 558844 (%), QC Sample No: CH40564 (CH41654, CH41655, CH41656, CH41657)													
Total Solids	BRL	0.1	17.7	17.8	0.60	100						75 - 125	30
Comment:													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													
QA/QC Batch 558845 (%), QC Sample No: CH41658 (CH41658, CH41659, CH41660)													
Total Solids	BRL	0.1	13.6	13.7	0.70	100						75 - 125	30
Comment:													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference


Phyllis Shiller, Laboratory Director
January 08, 2021

Friday, January 08, 2021

Criteria: None
State: MA

Sample Criteria Exceedances Report
GCH41654 - BARNHARD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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Analysis Comments

January 08, 2021

SDG I.D.: GCH41654

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

